

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:)
)
Steven J. Laken) Prior Art Unit: 1631
)
Serial No.: Unassigned) Prior Examiner: J. Lundgren
)
Filed: January 31, 2001) **Atty. Dkt. No. 01107.00088**

For: GENOTYPING BY MASS SPECTROMETRIC ANALYSIS
OF SHORT DNA FRAGMENT



INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

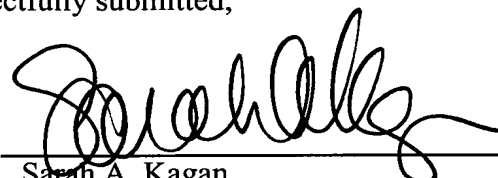
In accordance with 37 C.F.R. § 1.56 and in compliance with 37 C.F.R. § 1.97, applicants herewith submit PTO Form-1449 listing the references considered relevant to the examination of this application. A copy of the references listed on the PTO 1449 were provided in the parent application and need not be provided again.

It is believed no fee is required to make this a complete and timely filing. However, if a fee is required, please charge our deposit account no. 19-0733.

Respectfully submitted,

Date: January 31, 2001

By:



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PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 1107.00088	SERIAL NUMBER
	APPLICANT Steven J. Laken et al.	
	FILING DATE January 31, 2001	GROUP ART UNIT

jc960 U.S. PTO
09/774021
01/31/01

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	4,683,195	7/28/87	Mullis et al.			
	5,695,937	12/9/97	Kinzler et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	W. Szybalski "Universal restriction endonucleases: designing novel cleavage specificities by combining adapter oligodeoxynucleotide and enzyme moieties" <i>Gene</i> 1985: 40(2-3):169-73 (Abstract)
	Naito et al "Genetic Diagnosis by Polymerase Chain Reaction and Electrospray Ionization Mass Spectrometry: Detection of Fvle Base Deletion from Blood DNA of a Familial Adenomatous Polyposis Patient" <i>Journal of the American Society for Mass Spectrometry</i> 1997 Vol. 8, pages 737-42
	<i>BioTechniques</i> 23:710-714 October 1997
	Fei et al. "MALDI-TOF mass spectrometric typing of single nucleotide polymorphisms with mass-tagged ddNTPs" <i>Nucleic Acids Research</i> , 1998, Vol. 26, No. 11 pages 2827-2828
	Haff and Smirnov "Single-Nucleotide Polymorphism Identification Assays Using a Thermostable DNA Polymerase and Delayed Extraction MALDI-TOF Mass Spectrometry" <i>Genome Research</i> Vol. 7 pages 378-388 1997
	Crain and McCloskey "Applications of mass spectrometry to the characterization of oligonucleotides and nucleic acids" <i>Current Opinion in Biotechnology</i> 1998 Vo. 9(1) pages 25-34
	Nollau and Wagener "Methods for detection of point mutations: performance and quality assessment" <i>clinical Chemistry</i> 43:7 1114-1128 (1997)
	Ross et al. "Discrimination of Single-Nucleotide Polymorphisms in Human DNA Using Peptide Nucleic Acid Probes Detected by MALDI-TOF Mass Spectrometry" <i>Anal. Chem.</i> 1997, 69, 4197-4202
	Ross and Belgrader "Analysis of Short Tandem Repeat Polymorphisms in Human DNA by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry" <i>Anal. Chem.</i> 1997, 69 3966-3972
	Ross et al. "Analysis of DNA Fragments from Conventional and Microfabricated PCR Devices Using Delayed Extraction MALDI-TOF Mass Spectrometry" <i>Anal. Chem.</i> 1998, 70, 2067-2073
	Miketova and Schram "Mass Spectrometry of Nucleotides and Oligonucleotides" <i>Molecular Biotechnology</i> , Vol.. 8, 1997, page s249-253
	Mashal and Sklar et al. "Practical methods of mutation detection" <i>Current Opinion in Genet Dev.</i> 1996, Vol 6(3) pages 275-280

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	